

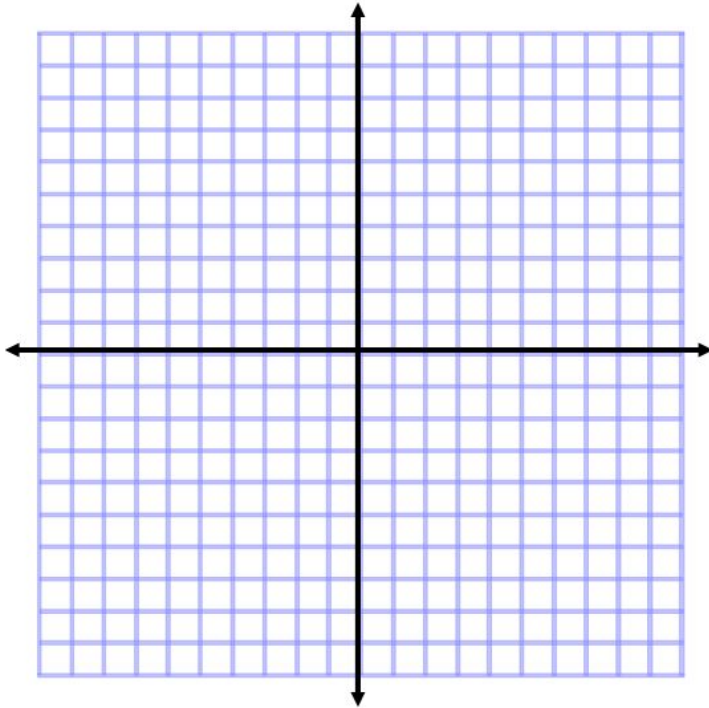
Name: _____

Date: _____

Practice Quiz: Parallel Inequalities; Standard Form

1. Graph the solution of the system of linear inequalities.
Be sure to NAME your lines, be clear as to dashed/solid, and clearly show your solution.

$$y > 3x + 1 \quad \text{and} \quad y \leq 3x - 5$$

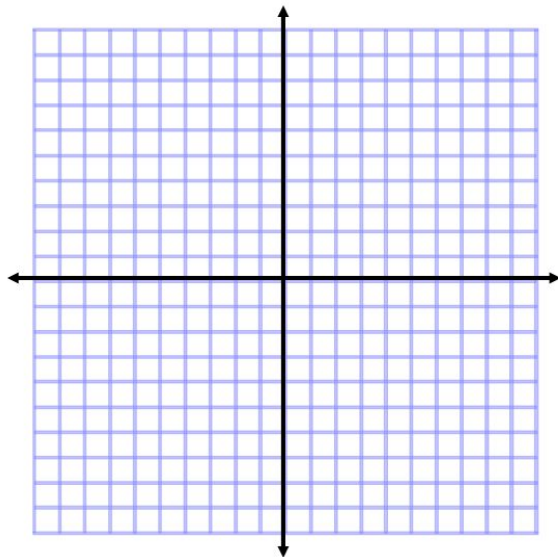


2. Find the x- and y-intercept of the equation below, then graph.

$$3x - 4y = -12$$

x-intercept: (_____, _____)

y-intercept: (_____, _____)



Part Two: Algebraic Sentences: Answer each question in at least TWO complete sentences using algebraic terms. Be sure to echo the prompt.

3. *Larry insists that the y-intercept of $x - y = -1$ is $(0, -1)$. Is he correct? Explain your reasoning.*

4. Circle the correct word/phrase in each parentheses.

The boundary line of the linear inequality $5x - 2y \leq 10$ is (dashed, solid). This means that the boundary line (is, is not) part of the solution zone. Since $(0, 0)$ makes the inequality true, you must shade the side of the boundary line that (does, does not) include $(0, 0)$.